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- (71) Applicants (*for all designated States except US*): INSTITUT PASTEUR [FR/FR]; 25-28, rue du Docteur Roux, F-75015 Paris (FR). INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM) [FR/FR]; 101, rue de Tolbiac, F-75013 Paris (FR).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): LIM, Annick, Michèle, Yvonne [FR/FR]; 4, rue Pierre Curie, F-92120 Montrouge (FR). LEMERCIER, Brigitte, Marie-Christine, Renée [FR/FR]; 1, Allée Rameau, F-92320 Chatillon (FR). KOURILSKY, Philippe [FR/FR]; 26, rue de Montpensier, F-75001 Paris (FR). HUETZ, François, André [FR/FR]; 29, rue Vergniaud, F-75013 Paris (FR).
- (74) Agents: MARTIN, Jean-Jacques et al.; Cabinet Regimbeau, 20, rue de Chazelles, F-75847 Paris Cedex 17 (FR).
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(54) Title: REPERTOIRE DETERMINATION OF A LYMPHOCYTE B POPULATION

(57) Abstract: The present invention provides a process for determining the quantitative and qualitative profile of the repertoire of a given type of an immunoglobulin (Ig) heavy chain expressed by a lymphocyte B population present in a tissue sample, and kits and uses thereof. It also provides a set of VH forward primers associated with a CH reverse primer, which are respectively capable of specifically hybridizing in stringent conditions with the nucleic acids encoding the variable segments of Ig heavy chains and with the constant segment of a given type of Ig heavy chain, such as preferably IgM, IgG, IgE or IgA heavy chain. Methods for the *in vitro* diagnosis of a condition associated with an abnormal expression of the repertoire of a given type of Ig heavy chain, and for the *in vitro* follow-up of a treatment of such a condition, are also comprised herein.



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